



# LDE, LEW

## ELECTRIC TORQUE WRENCH

### LDE



### SCOPE OF DELIVERY

- › DEVICE
- › REACTION ARM CRANKED
- › TOOL BOX
- › OPERATING MANUAL
- › FACTORY CALIBRATION CERTIFICATE



### LEW



### SCOPE OF DELIVERY

- › DEVICE
- › REACTION ARM CRANKED
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## ELECTRIC TORQUE WRENCH

# THE ELECTRIC TORQUE WRENCH

## LDE/LEW SERIES, 90 - 13000 Nm



LEW series



Resistant gear unit combined with intelligent electronics

Setting new standards with the robust gear unit housing and intelligent electronics under the display: Service functions such as overload and recalibration are displayed to the user. In default, the display shows the torque level. In addition, if required, the display can be changed from torque level to torque value.

Further functions (optional)

Optionally, the electric torque wrench, which is available in straight and angled versions, can be upgraded with a data read-out function, the torque-rotation angle mode and the Nm display function.

Reliable documentation of results with the bolting module TRACK

The classical electric high-level torque wrench is also available with the TRACK documentation function. Designed for the toughest construction site applications, the inductive data transmission system is used for non-contact transfer of your data to the laptop/PC where you can conveniently edit them further.

>>

More information about documentation modules  
see pages 52/53



The display and its functions:

Torque mode

+

5 digit display

+

Gear display

+

Select button

+

Potentiometer wheel for torque settings and menu navigation

+

+

Inductive interface

+

Torque angle rotation mode

+

Unit display

+

Enter key

+

Rotation direction LED to indicate drive direction



## ELECTRIC TORQUE WRENCH

### HAND GRIP



From version size LDE-70, the electric torque wrench is supplied with a rotating hand grip to facilitate the easy operation of the device.



The hand grip is included from size LEW-60 for the angled electric torque wrenches.



#### Scope of delivery

- › Device
- › Hand grip (from LDE-70/LEW-60)
- › Reaction arm cranked with lock on function made of chrome vanadium steel
- › Tool box
- › Operating instructions
- › Factory calibration certificate

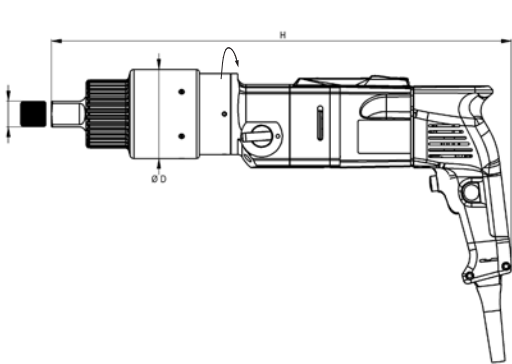


#### Optional accessories

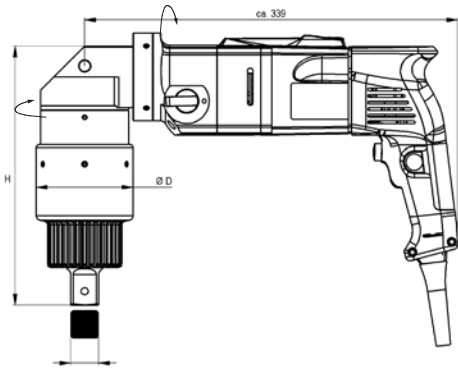
- › Reaction arm made of light alloy, straight with adjustable locking knob with movable square-end and retaining ring
- › Reaction ring for bespoke reaction arm design
- › Module LE.TRACK
- › Function LA.M+a (from construction size -15)



Technical data



LDE series – straight version



LEW series – angled version

LDE series - straight version

Type	N-m min <sup>*1</sup> /max <sup>*2</sup>	lbf·ft min <sup>*1</sup> /max <sup>*2</sup>	~ U/min	■	Ø D mm	H mm	kg <sup>*3</sup>
LDE-05	90 - 500	70 - 370	44	3/4"	80	405	4.5
LDE-075	100 - 750	80 - 550	22	3/4"	80	439	5.0
LDE-15	250 - 1500	180 - 1110	20	1"	88	455	6.1
LDE-28	350 - 2800	260 - 2050	6	1"	88	495	7.3
LDE-40	500 - 4000	370 - 2950	5	1"	88	495	7.3
LDE-60	700 - 6000	520 - 4400	3.5	1 ½"	102	515	9.2
LDE-70	850 - 7500	630 - 5500	3	1 ½"	128	531	12.1
LDE-90	1100 - 9000	810 - 6600	2.5	1 ½"	142	542	14.0
LDE-120	1600 - 13 000	1180 - 9500	2	1 ½"	174.5	560	20.0

<sup>\*1</sup> Lowest torque in 2nd gear  
Continuous sound pressure level corresponding to <78,7 dB (A)

<sup>\*2</sup> Maximum torque in 1st gear

<sup>\*3</sup> Without reaction arm  
Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.

Vibration is less than 2.5 m/s<sup>2</sup>

LEW series - angled version

Type	N-m min <sup>*1</sup> /max <sup>*2</sup>	lbf·ft min <sup>*1</sup> /max <sup>*2</sup>	~ U/min	■	Ø D mm	H mm	kg <sup>*3</sup>
LEW-05	90 - 500	70 - 370	44	3/4"	80	187	5.8
LEW-075	100 - 750	80 - 550	22	3/4"	80	220	6.4
LEW-15	250 - 1500	180 - 1110	20	1"	88	236	7.3
LEW-28	350 - 2800	260 - 2050	6	1"	88	276	8.6
LEW-40	500 - 4000	370 - 2950	5	1"	88	276	8.6
LEW-60	700 - 6000	520 - 4400	3.5	1 ½"	102	296	10.7
LEW-70	850 - 7500	630 - 5500	3	1 ½"	128	311	12.9
LEW-95	1100 - 9500	810 - 7000	2.5	1 ½"	142	323	14.6
LEW-120	1600 - 13 000	1180 - 9500	2	1 ½"	174.5	340	20.6

<sup>\*1</sup> Lowest torque in 2nd gear  
Continuous sound pressure level corresponding to <78,7 dB (A)

<sup>\*2</sup> Maximum torque in 1st gear

<sup>\*3</sup> Without reaction arm  
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Vibration is less than 2.5 m/s<sup>2</sup>

ELECTRIC TORQUE WRENCH

THE STEEL STRUCTURE  
TORQUE WRENCH

The steel structure torque wrench must be light but robust in design for the assembly of bridges or steel construction projects.  
We are prepared for such situations.  
Decades of experience and development work, combined with the known high quality requirements, are clearly demonstrated by the torque wrenches in this range. As with all series devices, you can rely on the acknowledged torque precision of these special versions.



Technical data

Type	N·m min*1/ max*2	lbf·ft min*1/ max*2	~ U/min	■	Ø D mm	H mm	kg*3
LDE-09ST	120 - 900	90 - 670	19.0	3/4"	80	439	5.2
LDE-16ST	300 - 2200	220 - 1620	7.0	1"	88	472	6.6
LDE-28ST	450 - 3200	330 - 2360	6.1	1"	88	495	7.3
LEW-09ST	120 - 900	90 - 670	19.0	3/4"	80	220	6.5
LEW-16ST	300 - 2200	220 - 1620	7.0	1"	88	253	7.9
LEW-28ST	450 - 3200	330 - 2360	6.1	1"	88	276	8.6

\*1 Lowest torque in 2nd gear  
Continuous sound pressure level corresponding to <78,7 dB (A)

\*2 Maximum torque in 1st gear

\*3 Without reaction arm  
Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.

Vibration is less than 2.5 m/s<sup>2</sup>

Steel Structure Torque Wrench  
LDE-/LEW-09ST; Tightening of HV-connections from M12 to M24 (10.9)  
LDE-/LEW-16ST; Tightening of HV-connections from M16 to M30 (10.9)  
LDE-/LEW-28ST; Tightening of HV-connections from M20 to M36 (10.9)



# THE CRANE TORQUE WRENCH

There are applications where torque wrenches have to provide even more power. This includes crane assembly at great heights. The devices in L-version are specially designed for the HV bolted connections on the tower sections of the Liebherr HC and EC models.

We also offer the complete package here for the demanding user. Starting from the gear unit diameter precisely matched to the tower section and conical impact sockets right up to the appropriate reaction arm made of high-performance aluminium. In addition, higher loosening torques for disassembly, as well as special equipment and torque settings for other crane manufactures are available.



## Technical data

Type	N·m min*1/ max*2	lbf·ft min*1/ max*2	~ U/min	■	Ø D mm	H mm	kg*3
LEW-60L	1.200 - 6.500	880 - 4800	3.5	1½"	102	296	10.7
LEW-75L	1.840 - 7.500	1360 - 5535	1.6	1½"	102	317	12.0
LEW-95L	1.100 - 9.500	810 - 7000	2.2	1½"	138	324	17.7
LAW-75L	950 - 7.500	1387 - 5532	2.6	1½"	102	295	11.5
LAW-75L Solution	950 - 7.500	1387 - 5532	2.6	1½"	102	295	11.6

\*1 Lowest torque in 2nd gear

\*2 Maximum torque in 1st gear

\*3 Without reaction arm

Vibration is less than 2.5 m/s²

Continuous sound pressure level corresponding to <78,7 dB (A)

Further torque ranges on request. All rights reserved. Subject to modifications without prior notice.

Also available as a Heavy Duty version. LEW-60L with increased torque.



### Scope of delivery LEW-L/LAW-L

- › Device
- › Hand grip
- › Reaction arm, HC-Design
- › Tool box
- › Operating instructions
- › Factory calibration certificate



### Optional accessories

- › Reaction arm EC-Design
- › SL type impact socket
- › Module LE.TRACK (at LEW)
- › Module LA.DOCU (at LAW Solution)

